
LOCAL AGENCY PROGRAMS

SUBCONTRACT REVIEW PROCESS

FOR LOCAL AGENCY PROJECTS

DECEMBER 1999

Revised 10/15/03

LOCAL AGENCY PROGRAMS
EXISTING SUBCONTRACT REVIEW PROCESS
FOR LOCAL AGENCY PROJECTS

1. Local Agency Programs reviews consultant contract upon receiving it from the local agency.
 - a. Review to ensure contract follows MDOT standard form.
 - b. Review to ensure that contract addresses all proposed work.
 - c. Review cost exhibits.
 - d. Conduct a technical analysis of staff hours.
 - e. Review selection process used by local agency to ensure it is in accordance with federal and state requirements.
2. Local Agency Programs submits contract to Governmental and Railroad Coordination, along with local agency's selection process for review.
3. Governmental and Railroad Coordination assigns contract numbers.
4. Governmental and Railroad Coordination reviews for federal and state requirements.
5. Governmental and Railroad Coordination sends document to Commission Audits for review.
6. Commission Audits conducts pre-audit for hourly rates, overhead, profit and consultant ability to maintain cost records in the proper manner.
7. Office of Commission Audits notifies Local Agency Programs of errors or questionable items in the document.
8. Local Agency Programs contacts the local agency to correct contract.
9. Corrected contract is sent back to Local Agency Programs, then to Commission Audits for continuation of processing.
10. Financial Services and Commission Audits approve contract. Commission Audits sends to Financial Services for signature.
11. Local Agency Programs sends contract to local agency for execution.

**CHECKLIST FOR LOCAL AGENCY FEDERAL OR STATE FUNDED
CONSULTANT SERVICES CONTRACTS**

- ☐ A description of the professional services requirements was advertised for interested consultants.
- ☐ The criteria for short-list are acceptable.
- ☐ The request for proposal (RFP) included the following information:
 - a) Project description.
 - b) Description of required activities, including deadline dates and intended bid letting date.
 - c) Location map showing approximate project location.
 - d) "Boiler plate" consultant engineering contract.
 - e) Cost breakdown in accordance with Service Contracting Handbook.

PRICE MAY NOT BE INCLUDED IN THE CONTRACT.

- ☐ The basis for final selection included:
 - a) Evaluation of the consultant's performance in previous projects.
 - b) Qualifications of project manager and other key members of the organization.
- ☐ The local agency has an evaluation form that they intend to use to evaluate the consultant's performance upon completion of the contract. The evaluation form should include, as a minimum, the following criteria:
 - a) Did the consultant exhibit sound engineering practice and judgment.
 - b) Was the proper level of the firm's management in responsible charge of the project?
 - c) Was the consultant responsive to review and constructive criticism.
 - d) Did the consultant operate in a timely and efficient manner?
 - e) Did the work require an excessive amount of review?
 - f) Was the work produced accurately?
- ☐ The completed consultant engineering contract has been reviewed and is found to be acceptable for funding.

Project Manager: _____ Date: _____

**PROCEDURES FOR LOCAL AGENCY SUBMISSION OF
FEDERAL OR STATE FUNDED CONSULTANT SERVICES CONTRACTS**

For projects in which state or federal funding is intended to be used for consultant services, follow the procedures listed below. The first step in initiating such procedures is to contact Local Agency Programs of the Michigan Department of Transportation (MDOT) and inquire whether funds are available for your particular area and project.

If funding is available for the subject project, submit documentation to Local Agency Programs which demonstrates compliance with all of the following requirements.

1. Advertisement of the project for interested consultants.
 - a. Include information detailing language used and publications involved.
2. Listing of firms that show interest.
3. Criteria for selection of consultants for submission of detailed non-priced bids.
 - a. Include short listing criteria, if applicable, and final list of candidates.
 - b. Numeric evaluations of the short listed consultants based on criteria established in the request for proposal (RFP).
4. Estimate of man hours required for project.
5. Copy of the RFP. The following information should be included:
 - a. Project description.
 - b. Description of required activities, including deadline dates and intended bid letting date.
 - c. Location map showing approximate project location.
 - d. "Boiler plate" consultant engineering contract (available from Local Agency Programs).
6. Basis for the final selection, including (as a minimum):
 - a. Evaluation of the consultant's performance on previous projects.
 - b. Correlation to "in house" preliminary engineering estimate.
 - c. Qualifications of project manager and other key members of the organization.
7. Copy of the prepared consultant engineering contract (unsigned).

8. Statement that indicates consultant man hours proposed are reasonable based on estimate prepared in #4.
9. Copy of the evaluation form that will be used to rate the consultant's performance upon completion of the contract. The evaluation form should include, but not be limited to, the following criteria:
 - a. Did the consultant exhibit sound engineering practice and judgment?
 - b. Was the proper level of the firm's management in responsible charge of the project?
 - c. Was the consultant responsive to review and constructive criticism?
 - d. Did the consultant operate in a timely and efficient manner?
 - e. Did the work require an excessive amount of review?
 - f. Was the work produced accurately?

LOCAL AGENCY PROGRAMS
REDESIGNED SUBCONTRACT REVIEW PROCESS
FOR LOCAL AGENCY PROJECTS

Local Agency Programs (LAP) will process all consultant services contracts for local agency projects according to the following procedures and all applicable federal and state laws and administrative requirements.

1. The LAP Project Manager reviews contract for the following requirements:
 - a. Ensure there is a letter stating that the local agency does not have the forces available within the agency to do the work.
 - b. Review to ensure the contract follows MDOT's standard form or flag for Governmental and Railroad Coordination if not on standard form. Review all filled in items and attachments.
 - c. Review to ensure the contract addresses all proposed work.
 - d. Review selection process used by local agency to ensure it is in accordance with state and federal regulations.
 - e. Conduct a technical analysis of staff hours based on the correlation between the local agency man hour estimate and the man hours submitted by the consultant. In addition, reasonableness of costs can also be determined by comparing total engineering costs to total construction estimate.
 - f. If the contract is under \$25,000, the project manager retains the signed copy of the contract in the project file.
2. The Governmental and Railroad Coordination Unit will provide a contract number and assist in the review as follows:
 - a. Review accuracy of cost exhibits and verify that the total cost does not exceed the recommended maximum percentage by Governmental and Railroad Coordination. The cost breakdown, as submitted, shall be in accordance with the Service Contracting Handbook.
 - b. Send to Attorney General if required.
 - c. Send to Office of Commission Audits for review if required.
 - (1) If the estimated costs covered by the contract are between \$25,000 and \$100,000 and the consultant is pre-audited, it is not necessary to submit the contract to Commission Audits for review. If the consultant is not pre-audited, the contract must be sent to Commission Audits for determination of the adequacy of the consultant's accounting system.
 - (2) If the contract is for an estimated amount of more than \$100,000, the contract must be sent to Commission Audits, where they will perform one of the

following types of functions:

- (a) A limited desk review of the rates proposed using information on file or information requested from the consultant.
 - (b) A formal pre-negotiation audit. If current audited information is not available or if Commission Audit has some concerns with current information supplied by the consultant, a site audit will be performed. This could take up to 60 days and a formal pre-negotiation audit report will be issued.
- 3. Contact local agency to correct contract if required.
- 4. When the contract is determined to be acceptable for funding, send the three copies (local agency, consultant, Local Agency Programs) to the local agency for execution.
- 5. Retain a copy of the executed contract in the project file.

SUBCONTRACT NO. _____
CONTROL SECTION NO. _____
JOB NO. _____
FED. PROJECT NO. _____
FED. ITEM NO. _____

CONSTRUCTION ENGINEERING CONTRACT

A _____ PROJECT

THIS CONTRACT, made and entered into as of this date of _____, by and between _____, Consulting Engineers, of _____, Michigan, hereinafter referred to as the "CONSULTANT," and the _____, hereinafter referred to as the "LOCAL AGENCY."

WITNESSETH:

WHEREAS, the LOCAL AGENCY is planning to _____ a _____ project within its limits; and

WHEREAS, the LOCAL AGENCY desires to engage the professional services and assistance of the CONSULTANT to perform certain construction engineering and inspection services and other related work, said work to be hereinafter referred to as the "SERVICES," required in connection with the construction of the following _____ improvements under the _____, said improvements to be hereinafter referred to as the "PROJECT:"

" _____

_____;" and

WHEREAS, the LOCAL AGENCY has programmed the PROJECT with the Michigan Department of Transportation, hereinafter referred to as the "DEPARTMENT," for construction with the use of _____ Funds administered by the United States Department of Transportation, Federal Highway Administration, hereinafter referred to as the "FHWA;" and

WHEREAS, the CONSULTANT is willing to render the SERVICES desired by the LOCAL AGENCY for the considerations hereinafter expressed; and

WHEREAS, the CONSULTANT was selected utilizing a qualifications based selection (QBS) process; and

WHEREAS, the parties hereto have reached an understanding as to the scope of the work and the performance of the SERVICES on the PROJECT and desire to set forth this understanding in the form of a written contract;

NOW, THEREFORE, it is hereby agreed by and between the parties hereto that:

THE CONSULTANT SHALL:

1. Provide the following SERVICES relating to the PROJECT:
 - a. Assign a construction engineer and qualified inspection personnel who will be responsible to the PROJECT Engineer at the PROJECT site during the construction of the PROJECT in order to perform required inspection services to assure compliance with approved contract plans and specifications, and perform the day to day activities of the PROJECT.
 - b. Field survey information, construction staking services, and soil borings on the PROJECT site and any other field surveys as may be required for effective control of the construction of the PROJECT.
 - c. Perform and/or have conducted field checks and laboratory testing of materials and equipment to assure compliance with the contract specifications and requirements of the DEPARTMENT and the FHWA. A portion of the off-site testing work is to be performed in accordance with a subcontractual arrangement between the CONSULTANT and _____.
 - d. Such additional engineering and inspection services as may be required by the PROJECT Engineer for satisfactory completion of the PROJECT.
2. Perform all PROJECT work under the direction of the PROJECT Engineer who will be assigned by the LOCAL AGENCY as provided in Section 15.
3. Provide such reports and maintain such records of the PROJECT as are required to document the work to the satisfaction of the PROJECT Engineer, the LOCAL AGENCY, the DEPARTMENT, and the FHWA.
4. Govern all SERVICES by the applicable codes, laws, and standards of the LOCAL AGENCY and the DEPARTMENT and the FHWA.
5. During the performance of the SERVICES herein provided for, be responsible for any loss or damage to the documents, owned by the LOCAL AGENCY while they are in its possession. Restoration of lost or damaged documents shall be at the CONSULTANT'S expense.
6. Furnish qualified personnel to assist the PROJECT engineer in solving field problems, when so requested.
7. Attend conferences and make such trips as necessary to the LOCAL AGENCY'S offices and to the site of the work to confer with representatives of the LOCAL AGENCY and the DEPARTMENT or the FHWA as may be necessary in the carrying out of the work under this contract.

8. Follow standard accounting practices and permit representatives of the LOCAL AGENCY and the DEPARTMENT and the FHWA to audit and inspect its PROJECT books and records at any reasonable time. Such records are to be kept available for three (3) years from the date of the final payment for work conducted under this contract.

- a. The CONSULTANT shall establish and maintain accurate records, in accordance with generally accepted accounting principles, of all expenses incurred for which payment is sought or made under this Contract, said records to be hereinafter referred to as the "RECORDS." Separate accounts shall be established and maintained for all costs incurred under this Contract.
- b. The CONSULTANT shall maintain the RECORDS for at least three (3) years from the date of final payment of federal aid made by the DEPARTMENT to the local agency under this Contract. In the event of a dispute with regard to the allowable expenses or any other issue under this Contract, the CONSULTANT shall thereafter continue to maintain the RECORDS at least until that dispute has been finally decided and the time for all available challenges or appeals of that decision has expired.
- c. The DEPARTMENT, or their representative, may inspect, copy, or audit the RECORDS at any reasonable time after giving reasonable notice.
- d. If any part of the work is subcontracted, the CONSULTANT shall assure compliance with subsections (a), (b), and (c) above for all subcontracted work.

9. Have in its employ a sufficient number of qualified employees available to complete the SERVICES in accordance with the schedule for construction and completion of the PROJECT upon the authorization to proceed with the SERVICES as outlined herein.

10. Show evidence of Workers' Compensation Insurance, said insurance to be as required by law.

11. Commence work on the PROJECT as set forth in and following execution of this contract only upon receipt of written notice from the PROJECT Engineer.

12. Provide a working office at the PROJECT site or in the vicinity of the PROJECT acceptable to the LOCAL AGENCY for adequate performance of the SERVICES to be provided under this Contract.

13. Furnish the LOCAL AGENCY and the DEPARTMENT a set of as built plans and records of the PROJECT upon completion thereof.

14. Submit billings to the LOCAL AGENCY as set forth in Section 17.

THE LOCAL AGENCY WILL:

15. Assign a PROJECT Engineer who shall be the Publicly Employed Professional Engineer in responsible charge of the PROJECT.

16. For and in consideration of the SERVICES rendered by the CONSULTANT as set forth in this contract, pay the CONSULTANT on the basis of actual cost plus a fixed fee (profit) amount which shall not exceed _____ dollars (\$_____). The fixed fee (profit) shall be the amount of _____ dollars and _____ cents (\$_____), which amount is included in the total amount of _____ dollars (\$_____ as shown in Exhibit "A," attached hereto and made a part hereof.

Actual costs for SERVICES work required and performed will be determined in accordance with the following terms, subject to the cost criteria set forth in the Federal Acquisition Regulations, 48 CFR, Part 31:

- a. Direct Salary Costs: Actual labor costs of personnel performing the SERVICES work. This cost will be based on the employees actual hourly rate of pay and the actual hours of performance on the PROJECT as supported by employee time records.
- b. Direct Costs: Actual costs of materials and services, other than salaries, as may be required hereunder but which are not normally provided as a part of the overhead of the CONSULTANT. All actual costs shall be itemized and certified as paid to specifically named firms or individuals, and shall be supported by proper receipts.
- c. Overhead (Indirect Costs): A pro-rated portion of the actual overhead incurred by the CONSULTANT during performance of the PROJECT work. The amount of overhead payment, including payroll overhead, will be calculated as a percentage of all direct labor costs related to staff personnel and members of the firm. Overhead shall include those costs, which because of their incurrence for common or joint objectives, are not readily subject to treatment as a direct cost. The provisional overhead rate, which will be applied to direct labor costs for progress payments, is set forth in Exhibit A.

It is agreed that the use of the provisional rate set forth in Exhibit A sets neither a minimum nor maximum to the actual overhead costs to be paid the CONSULTANT. Any overpayments or under payments made to the CONSULTANT for SERVICES performed resulting from usage of the provisional overhead rate, will be corrected in the first billing submitted subsequent to the CONSULTANT'S calculation of an actual overhead rate for the financial year end applicable to the reported direct labor cost. The audit at the completion of this contract, or at such time as this contract is terminated, will verify the propriety of reported overhead.

Facilities Cost of Capital: A pro-rated portion of the actual facilities cost of capital incurred by the CONSULTANT during work is reimbursable only if the estimated facilities cost of capital was specifically identified in the cost proposal for this work (Exhibit A).

- d. Travel and Subsistence: Actual costs in accordance with and not to exceed the amounts set forth in the State of Michigan Standardized Travel Regulations, incorporated herein by reference as if the same were repeated in full herein.
- e. Fixed Fee (Profit): In addition to the payments for direct and overhead costs as hereinbefore provided, the LOCAL AGENCY agrees to pay the CONSULTANT a fixed amount for profit for the SERVICES performed. It is agreed and understood that such amount will constitute full compensation to the CONSULTANT for profit and will not vary because of any differences between the estimated cost and the actual cost for work performed, except that in the event this contract is terminated, payment of a fixed fee (profit) in respect to the PROJECT shall be in an amount which can be established by the CONSULTANT from its accounts and records and subject to the provisions of Section 18.
- f. Subconsultant Costs: Actual costs of subconsultants performing SERVICES under this Contract. Amounts for fixed fees paid by the CONSULTANT to the subconsultant will not be considered an actual cost of the CONSULTANT, but will be considered a part of the fixed fee of the CONSULTANT.
- g. Those costs incurred by the CONSULTANT in the utilization of the subcontracted services of _____ shall be excluded from the calculation of the CONSULTANT'S percentage of SERVICES completed, as set forth in Section 17a., but will be reimbursed by the LOCAL AGENCY. Payment by the LOCAL AGENCY will be made directly to the CONSULTANT. The PROJECT cost attributable to _____ is estimated to be \$_____.

The maximum amount, including the fixed fee (profit), hereinbefore set forth in this Section, shall not be exceeded except by the execution of an amendment to this contract by and between the parties hereto and with approval by the DEPARTMENT and the FHWA. Payment shall be made as hereinafter set forth.

17. Make payments to the CONSULTANT in accordance with the following procedures:

- a. Progress payments may be made for reimbursement of amounts earned to date and shall include direct costs, other direct costs, calculated amounts for overhead using overhead, and facilities cost of capital using applied rates, set forth hereinbefore, plus a portion of the fixed fee.

The portion of the fixed fee which may be included in progress payments shall be equal to the total fixed fee multiplied by the percentage of the work which has been completed to date of billing.

- b. Partial payments will be made upon the submission by the CONSULTANT of a billing, accompanied by properly completed reporting forms and such other evidence of progress as may be required by the LOCAL AGENCY. Partial payments shall be made only once a month.
- c. Final billing under this contract shall be submitted in a timely manner but not later than three (3) months after completion of the SERVICES. Billings for work submitted later than three (3) months after completion of SERVICES will not be paid. Final payment, including adjustments of direct salary costs, other direct costs and overhead costs, will be made upon completion of audit by the LOCAL AGENCY and/or as appropriate, by representatives of the DEPARTMENT and the FHWA. In the event such audit indicates an overpayment, the CONSULTANT will repay the LOCAL AGENCY within _____ days of the date of the invoice.

18. If SERVICES, or any part thereof, are terminated before completed, pay the CONSULTANT as follows:

- a. Pay the CONSULTANT actual costs plus overhead, as defined herein, incurred for the work completed up to the time of termination, plus an amount determined at the time of termination to compensate the CONSULTANT in full for a normal profit on work completed, as set forth in Section 16. The amounts included for overhead and profit shall be subject to approval by the DEPARTMENT and the FHWA.
- b. In no case, shall the compensation paid to the CONSULTANT for SERVICES, or any part thereof, exceed the amount the CONSULTANT would receive had the SERVICES, or the terminated portion thereof, been completed.

IT IS FURTHER AGREED THAT:

19. Upon completion or termination of this contract, all documents prepared by the CONSULTANT, including tracings, drawings, estimates, specifications, field notes, investigations, studies, etc., as instruments of SERVICE, shall become the property of the LOCAL AGENCY.

20. No portion of the PROJECT work, hereto before defined, shall be sublet, assigned, or otherwise disposed of except as herein provided or with the prior written consent of the LOCAL AGENCY and approval by the DEPARTMENT and the FHWA. Consent to sublet, assign or otherwise dispose of any portion of the SERVICES shall not be construed to relieve the CONSULTANT of any responsibility for the fulfillment of this contract.

21. All questions which may arise as to the quality and acceptability of work, the manner of performance and rate of progress of the work, and the interpretation of plans and specifications shall be decided by the LOCAL AGENCY'S PROJECT Engineer. All questions as to the satisfactory and acceptable fulfillment of the terms of this contract shall be decided by the LOCAL AGENCY.

22. Any change in SERVICES to be performed by the CONSULTANT involving extra compensation must be authorized in writing by the LOCAL AGENCY and approved by the DEPARTMENT and the FHWA prior to the performance thereof by the CONSULTANT and requires an amendment to this Contract.

The CONSULTANT and the LOCAL AGENCY specifically agree that in the event problems arise that may be the result of errors and/or omissions by the CONSULTANT or due to a failure of the CONSULTANT to otherwise perform in accordance with this contract, the CONSULTANT will be held responsible with no cost to the LOCAL AGENCY or in accordance with the LOCAL AGENCY'S dispute resolution process if applicable.

23. In addition, the CONSULTANT shall comply with, and shall require any contractor or subcontractor to comply with, the following:

- a. In connection with the performance of the PROJECT under this contract, the CONSULTANT (hereinafter in Appendix "A" referred to as the "contractor") agrees to comply with the State of Michigan provisions for "Prohibition of Discrimination in State Contracts," as set forth in Appendix "A," attached hereto and made a part hereof and will require a similar covenant on the part of any contractor or subcontractor employed in the performance of this contract.
- b. During the performance of this contract, the CONSULTANT for itself, its assignees, and successors in interest (hereinafter in Appendix "B" referred to as the "contractor") agrees to comply with the Civil Rights Act of 1964, being P.L. 88-352, 78 Stat. 241, as amended, being Title 42 U.S.C. Sections 1971, 1975a-1975d, and 2000a-2000h-6, and the Regulations of the United States Department of Transportation (49 C.F.R. Part 21) issued pursuant to said Act, including Appendix "B," attached hereto and made a part hereof and will require similar covenants on the part of any contractor or subcontractor employed in the performance of this contract.
- c. The parties hereto further agree that they accept the DEPARTMENT'S Minority Business Enterprises/Women's Business Enterprises (MBE/WBE) Program with respect to the PROJECT and will abide by the provisions set forth in Appendix "C," attached hereto and made a part hereof, being an excerpt from Title 42 C.F.R. Part 23, more specifically 23.43(a)(1) and (2) thereof.

24. The CONSULTANT warrants that it has not employed or retained any company or person other than bona fide employees working solely for the CONSULTANT, to solicit or secure this contract, and that he has not paid or agreed to pay any company or person, other than bona fide employees working solely for the CONSULTANT, any fee, commission, percentage, brokerage fee, gifts, or any other consideration, contingent upon or resulting from the award or making of this contract. For breach or violation of this warranty, the LOCAL AGENCY shall have the right to annul this contract without liability or, at its discretion, to deduct from the contract price or consideration, or otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, gifts or contingent fee.

25. The CONSULTANT specifically agrees that in the performance of SERVICES herein enumerated by it, or by an approved subcontractor, or anyone acting in its behalf, they will, to the best of their professional knowledge and ability, comply with any and all applicable state, federal, and local statutes, ordinances, and regulations.

26. No charges or claims for damages shall be made by the CONSULTANT for delays or hindrances from any cause whatsoever during the progress of any portions of the SERVICES specified in this contract, except as hereinafter provided.

In case of a substantial delay on the part of the LOCAL AGENCY in providing to the CONSULTANT either the necessary information or approval to proceed with the work, resulting, through no fault of the CONSULTANT, in delays of such extent as to require the CONSULTANT to perform its work under changed conditions not contemplated by the parties, the LOCAL AGENCY will consider supplemental compensation limited to increased costs incurred as a direct result of such delays. Any claim for supplemental compensation must be in writing and accompanied by substantiating data. Authorization of such supplemental compensation shall be by an amendment to this contract subject to prior approval by the DEPARTMENT and the FHWA.

When delays are caused by circumstances or conditions beyond the control of the CONSULTANT, as determined by the LOCAL AGENCY, the CONSULTANT shall be granted an extension of time for such reasonable period as may be mutually agreed upon between the parties, it being understood, however, that the permitting of the CONSULTANT to proceed to complete the SERVICES, or any part of them, after the date to which the time of completion may have been extended, shall in no way operate as a waiver on the part of the LOCAL AGENCY of any of its rights herein set forth.

27. In case the CONSULTANT deems extra compensation will be due it for work or materials not clearly covered in this contract, or not ordered by the LOCAL AGENCY as a change, or due to changed conditions, the CONSULTANT shall notify the LOCAL AGENCY in writing of its intention to make claim for such extra compensation before beginning such work. Failure on the part of the CONSULTANT to give such notification will constitute a waiver of the claim for such extra compensation. The filing of such notice by the CONSULTANT shall not in any way be construed to establish the validity of the claim. Such extra compensation shall be provided only by amendment to this contract with approval of the DEPARTMENT and the FHWA.

28. The CONSULTANT agrees to obtain the necessary liability insurance, acceptable to the LOCAL AGENCY, naming the _____, the Michigan State Transportation Commission, and the Michigan Department of Transportation as insured, and to provide the LOCAL AGENCY with evidence of said insurance, and to indemnify and save harmless the LOCAL AGENCY, the Michigan State Transportation Commission, and the

DEPARTMENT, their officers, agents and employees from any and all claims and losses occurring or resulting to any person, firm or corporation furnishing or supplying work, services, materials, or supplies in connection with the performance of this contract, and from any and all claims and losses occurring or resulting to any person, firm, or corporation who may be injured or damaged by the CONSULTANT in the performance of this contract.

29. This contract shall be terminated upon advisement to the CONSULTANT by the LOCAL AGENCY that its SERVICES are completed and accepted.

30. The CONSULTANT'S signature on this Contract constitutes the CONSULTANT'S certification of "status" under penalty of perjury under the laws of the United States in respect to 49 CFR, Part 29 pursuant to Executive Order 12549.

The certification, which is included as a part of this Contract as Attachment "A," is Appendix A of 49 CFR Part 29, and applies to the CONSULTANT (referred to in Appendix A of 49 CFR Part 29 as "the prospective primary participant").

The CONSULTANT is responsible for obtaining the same certification from all subcontractors under this contract by inserting the following paragraph in all subcontracts:

"The subcontractor's signature on this Contract constitutes the subcontractor's certification of 'status' under penalty of perjury under the laws of the United States in respect to 49 CFR, Part 29 pursuant to Executive Order 12549. The certification, which is included as a part of this Contract as Attachment "B," is Appendix B of 49 CFR, Part 29."

This certification is required of all subcontractors, testing laboratories, and other lower tier participants with which the CONSULTANT enters into a written arrangement for the procurement of goods or services provided for in this Contract.

31. The CONSULTANT hereby agrees that the costs reported to the LOCAL AGENCY for this Contract shall represent only those items which are properly chargeable in accordance with this Contract. The CONSULTANT also hereby certifies that it has read the Contract terms and has made itself aware of the applicable laws, regulations, and terms of this Contract that apply to the reporting of costs incurred under the terms of this Contract.

32. Upon execution of this contract by the parties hereto, the same shall become binding on the parties hereto and their successors and assigns, until such time as all work contemplated hereunder is complete, or until such time as this contract is terminated by mutual consent of the parties hereto.

IN WITNESS WHEREOF, the parties hereto have set their hands and seals by their duly authorized agents and representatives the day and year first above written.

BY: _____
TITLE:

BY: _____
TITLE:

BY: _____
TITLE:

BY: _____
TITLE:

EXHIBIT A
CONSTRUCTION ENGINEERING
ESTIMATED DIRECT COST BREAKDOWN BY ITEM

CONSULTANT			
	Hours	Dollars per Hour	Total Dollars
STAKING			
Crew Chief			
Instrument man			
Rodman			
Computer Time			
INSPECTION			
Inspector			
Resident Engineer			
CONSULTANT TOTAL			
OVERHEAD MULTIPLIER 100.00% DIRECT PAYROLL			
Other Itemized Direct Costs (i.e., travel, mileage, etc.)			
% Overhead			
% Facilities Capital Cost of Money (FCCOM)			
Fixed Fee (Profit)			
Consultant Total Estimated Project Cost			

SUB CONSULTANT			
	Hours	Dollars per Hour	Total Dollars
Soil Bearing Tests			
PLANT INSPECTION			
Bituminous Plant			
Concrete Plant Inspection			
MATERIAL TESTING			
Bituminous Extraction			
Concrete Cylinder Tests			
SUB CONSULTANT			
OVERHEAD MULTIPLIER 100.00% DIRECT PAYROLL			
Other Itemized Direct Costs (i.e., travel, mileage, etc.)			
% Overhead			
% Facilities Capital Cost of Money (FCCOM)			
Sub Consultant Total Estimated Project Cost			
GRAND TOTAL PROJECT COST			

APPENDIX A
PROHIBITION OF DISCRIMINATION IN STATE CONTRACTS

In connection with the performance of work under this contract; the contractor agrees as follows:

1. In accordance with Act No. 453, Public Acts of 1976, the contractor hereby agrees not to discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment, or as a matter directly or indirectly related to employment, because of race, color, religion, national origin, age, sex, height, weight, or marital status. Further, in accordance with Act No. 220, Public Acts of 1976 as amended by Act No. 478, Public Acts of 1980 the contractor hereby agrees not to discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment, or a matter directly or indirectly related to employment, because of a disability that is unrelated to the individual's ability to perform the duties of a particular job or position. A breach of the above covenants shall be regarded as a material breach of this contract.
2. The contractor hereby agrees that any and all subcontracts to this contract, whereby a portion of the work set forth in this contract is to be performed, shall contain a covenant the same as hereinabove set forth in Section 1 of this Appendix.
3. The contractor will take affirmative action to insure that applicants for employment and employees are treated without regard to their race, color, religion, national origin, age, sex, height, weight, marital status or a disability that is unrelated to the individual's ability to perform the duties of a particular job or position. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.
4. The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, age, sex, height, weight, marital status or disability that is unrelated to the individual's ability to perform the duties of a particular job or position.
5. The contractor or his collective bargaining representative will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice advising the said labor union or workers' representative of the contractor's commitments under this appendix.
6. The contractor will comply with all relevant published rules, regulations, directives, and orders of the Michigan Civil Rights Commission which may be in effect prior to the taking of bids for any individual state project.
7. The contractor will furnish and file compliance reports within such time and upon such forms as provided by the Michigan Civil Rights Commission, said forms may also elicit information as to the practices, policies, program, and employment statistics of each subcontractor as well as the contractor himself, and said contractor will permit access to his books, records, and accounts by the Michigan Civil Rights Commission and/or its agent, for purposes of investigation to ascertain compliance with this contract and relevant with rules, regulations, and orders of the Michigan Civil Rights Commission.
8. In the event that the Civil Rights Commission finds, after a hearing held pursuant to its rules, that a contractor has not complied with the contractual obligations under this agreement, the Civil Rights Commission may, as part of its order based upon such findings, certify said findings to the Administrative Board of the State of Michigan, which Administrative Board may order the cancellation of the contract found to have been violated and/or declare the contractor ineligible for future contracts with the state and its political and civil subdivisions, departments, and officers, and including the governing boards of institutions of higher education, until the contractor complies with said order of the Civil Rights Commission. Notice of said declaration of future ineligibility may be given to any or all of the persons with whom the contractor is declared ineligible to contract as a contracting party in future contracts. In any case before the Civil Rights Commission in which cancellation of an existing contract is a possibility, the contracting agency shall be notified of such possible remedy and shall be given the option by the Civil Rights Commission to participate in such proceedings.
9. The contractor will include, or incorporate by reference, the provisions of the foregoing paragraphs (1) through (8) in every subcontract or purchase order unless exempted by the rules, regulations or orders of the Michigan Civil Rights Commission, and will provide in every subcontract or purchase order that said provisions will be binding upon each subcontractor or seller.

March, 1998

APPENDIX B

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees as following:

1. Compliance with Regulations: The contractor shall comply with the regulations relative to nondiscrimination in federally assisted programs of the Department of Transportation, Title 49, Code of Federal Regulations, Part 27, as they may be amended from time to time (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.
2. Nondiscrimination: The contractor, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, or natural origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.
3. Solicitations for Subcontracts, Including Procurements of Materials and Equipment: In all solicitations either by competitive bidding or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subcontractor or supplier shall be notified by the contractor of the contractor's obligations under this contract and the Regulations relative to nondiscrimination on the grounds of race, color, or national origin.
4. Information and Reports: The contractor shall provide all information and reports required by the Regulations, or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information and its facilities, as may be determined by the Michigan Department of Transportation or the Federal Highway Administration to be pertinent to ascertain compliance with such Regulations or directives. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information, the contractor shall so certify to the Michigan Department of Transportation, or the Federal Highway Administration as appropriate, and shall set forth what efforts it has made to obtain the information.
5. Sanctions for Noncompliance: In the event of the contractor's noncompliance with the nondiscrimination provisions of this contract, the Michigan Department of Transportation shall impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:
 - (a) Withholding of payments to the contractor under the contract until the contractor complies, and/or
 - (b) Cancellation, termination, or suspension of the contract, in whole or in part.
6. Incorporation of Provisions: The contractor shall include the provisions of paragraphs 1 through 6 of every subcontract, including procurements of materials and leases of equipment, unless exempt by the Regulations or directives issued pursuant thereto. The contractor shall take such action with respect to any subcontract or procurement as the Michigan Department of Transportation or the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for non-compliance; provided, however that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the contractor may request the Michigan Department of Transportation to enter into such litigation to protect the interests of the state, and, in addition, the contractor may request the United States to enter into such litigation to protect the interest of the United States.

APPENDIX C

TO BE INCLUDED IN ALL FINANCIAL ASSISTANCE AGREEMENTS WITH LOCAL AGENCIES

General Requirements for Recipients

Excerpts from USDOT Regulation 49 CFR, Part 23, Section 23.43

- A. Policy: It is the policy of the Department that MBE as defined in 49 CFR, Part 23, shall have the maximum opportunity to participate in the performance of contracts financed in whole or in part with federal funds. Consequently, the MBE requirements of 49 CFR, Part 23, apply to this contract.
- B. MBE Obligation: The recipient or its contractor agrees to ensure that MBE as defined in 49 CFR, Part 23, has the maximum opportunity to participate in the performance of contracts and subcontracts financed in whole or in part with federal funds provided under this agreement. In this regard, all recipients or contractors shall take all necessary and reasonable steps in accordance with 49 CFR, Part 23, to ensure that MBE has the maximum opportunity to compete for and perform contracts. Recipients and their contractors shall not discriminate on the basis of race, color, national origin, or sex in the award and performance of departmentally-assisted contracts.
- C. If, as a condition of assistance, the recipient has submitted and the department has approved a minority business enterprise affirmative action program which the recipient agrees to carry out, this program is incorporated into this financial assistance agreement by reference. This program shall be treated as a legal obligation and failure to carry out its terms shall be treated as a violation of this financial assistance agreement. Upon notification to this recipient of its failure to carry out the approved program, the Department shall impose such sanctions as noted in 49 CFR, Part 23, Subpart E, which sanctions may include termination of the agreement or other measures that may affect the ability of the recipient to obtain future departmental, financial assistance.
- D. The Department hereby advises each recipient, contractor, or subcontractor that failure to carry out the requirements set forth in Section 23.43(a) 49 CFR, Part 23, shall constitute a breach of contract, and after the notification of the USDOT, may result in termination of the agreement or contract by the Department or such remedy as the Department deems appropriate.

SUBCONTRACT NO. _____
CONTROL SECTION NO. _____
JOB NO. _____
FED. PROJECT NO. _____
FED. ITEM NO. _____

CERTIFICATION

I hereby certify that I am _____
and a duly authorized representative of the firm of _____,
whose address is _____ and that
neither I nor the above firm I here represent has:

(a) employed or retained for a commission, percentage, brokerage, contingent fee,
or other consideration, any firm or person (other than a bona fide employee working solely for
me or the above _____) to solicit or secure this contract.

(b) agreed, as an express or implied condition for obtaining this contract, to
employ or retain the services of any firm or person in connection with carrying out the contract,
or

(c) paid, or agreed to pay, to any firm, organization or person (other than a bona
fide employee working solely for me or the above _____) any fee,
contribution, donation, or consideration of any kind for, or in connection with, procuring or
carrying out the contract:

except as here expressly stated (if any):

I acknowledge that this certification is to be furnished to the Michigan
Department of Transportation in connection with this contract involving participation of state
and/or federal funds, and is subject to applicable state and federal laws, both criminal and civil.

Date

Signature

ATTACHMENT A
(This is a reproduction of Appendix A of 49 CFR Part 29)
CERTIFICATION REGARDING DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS -
PRIMARY COVERED TRANSACTIONS

Instructions for Certification

1. By signing and submitting this proposal, the prospective primary participant is providing the certification set out below.
2. The inability of a person to provide the certification required below will not necessarily result in denial of participation in this covered transaction. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective primary participant to furnish a certification or an explanation shall disqualify such person from participation in this transaction.
3. The certification in this clause is a material representation of fact upon which reliance was placed when the department or agency determined to enter into this transaction. If it is later determined that the prospective primary participant knowingly rendered an erroneous certification in addition to other remedies available to the federal government, the department or agency may terminate this transaction for cause of default.
4. The prospective primary participant shall provide immediate written notice to the department or agency to whom this proposal is submitted if at any time the prospective primary participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
5. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposed," and "voluntarily excluded" as used in this clause, have the meanings set out in the Definitions and Coverage sections of the rules impeding Executive Order 12549. You may contact the department or agency to which this proposal is being submitted for assistance in obtaining a copy of those regulations.
6. The prospective primary participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.
7. The prospective primary participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion-Lower Tier Covered Transaction," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
8. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals.
9. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally processed by a prudent person in the ordinary course of business dealings.
10. Except for transactions authorized under paragraph 6 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the federal government, the department or agency may terminate this transaction for cause or default.

Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions

1. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
 - (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any federal department or agency;
 - (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state, or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification, or destruction of records, making false statements, or receiving stolen property;
 - (c) Are not presently indicated for or otherwise criminally or civilly charged by a government entity (federal, state, or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
 - (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (federal, state, or local) terminated for cause or default.
2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

March 9, 1989

ATTACHMENT B
(This is a reproduction of Appendix B of 49 C.F.R. Part 29)
CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY
AND VOLUNTARY EXCLUSION-LOWER TIER COVERED TRANSACTIONS

Instructions for Certification

1. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.
2. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.
3. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
4. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations.
5. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.
6. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion-Lower Tier Covered Transaction," without notification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
7. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Nonprocurement List (Telephone No. (517) 335-2513 or (517) 335-2514).
8. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
9. Except for transactions authorized under paragraph 5 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion-Lower Tier Covered Transactions

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency.
2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

SUBCONTRACT NO. _____
CONTROL SECTION NO. _____
JOB NO. _____
FED. PROJECT NO. _____
FED. ITEM NO. _____

PRELIMINARY ENGINEERING CONTRACT

A _____ PROJECT

THIS CONTRACT, made and entered into as of this date of _____, by and between _____, a Consultant Engineering Corporation, of _____, Michigan, hereinafter referred to as the "CONSULTANT," and the _____, hereinafter referred to as the "LOCAL AGENCY."

WITNESSETH:

WHEREAS, the LOCAL AGENCY is desirous of proceeding with preparation of plans for a _____ project within its limits; and

WHEREAS, the LOCAL AGENCY desires to engage the professional services and assistance of the CONSULTANT to perform certain preliminary engineering services and other related work, said work to be hereinafter referred to as the "SERVICES," required in connection with the construction of the following _____ improvements under the _____, said improvements to be hereinafter referred to as the "PROJECT."

"

_____;" and

WHEREAS, the LOCAL AGENCY has programmed the PROJECT with the Michigan Department of Transportation, hereinafter referred to as the "DEPARTMENT" for construction with the use of _____ Funds administered by the United States Department of Transportation, Federal Highway Administration, hereinafter referred to as the "FHWA;" and

WHEREAS, the CONSULTANT is willing to render the SERVICES desired by the LOCAL AGENCY for the considerations hereinafter expressed; and

WHEREAS, the CONSULTANT was selected utilizing a qualifications based selection (QBS) process; and

WHEREAS, the parties hereto have reached an understanding regarding the performance of the SERVICES on the PROJECT and desire to set forth this understanding in the form of a written contract;

NOW THEREFORE, it is hereby agreed by and between the parties hereto that:

THE CONSULTANT SHALL:

1. Design and prepare studies, preliminary plans, final plans, specifications, quantity sheets, estimates of cost, and do other related work necessary to develop the complete design for the PROJECT. Also perform right-of-way requirements, recommendations, land surveys and computations. Right-of-way plats are to be shown by the CONSULTANT on the construction plans. Boring and supplemental specialized services, as required, are to be made by others under the CONSULTANT's supervision.
2. Govern all SERVICES by the applicable codes and practices of the LOCAL AGENCY and the DEPARTMENT and the FHWA.
3. Submit for approval by the LOCAL AGENCY and the DEPARTMENT, studies and preliminary plans showing the proposed layouts of the PROJECT.
4. After approval and acceptance of the studies and preliminary plans and preliminary cost estimates by the LOCAL AGENCY and the DEPARTMENT, prepare and submit complete detailed construction plans (final plans), supplemental specifications, estimates of quantities, design calculations if requested, and engineer's final estimates of cost for all necessary construction and other work, such as utility relocations, included in the complete design of the PROJECT.
5. During the preparation of the plans, make such changes and revisions in said plans and supporting material as are considered necessary and desirable by the LOCAL AGENCY and the DEPARTMENT to assure conformance of plans to good design and standard practices, and to have said plans and other material in proper form for receiving bids.
6. During construction, make all corrections and alterations in the detailed plans for the PROJECT as may be deemed necessary by the LOCAL AGENCY and the DEPARTMENT as a result of errors and omissions. The CONSULTANT and the LOCAL AGENCY specifically agree that in the event problems arise that may be the result of errors and/or omissions by the CONSULTANT or due to a failure of the CONSULTANT to otherwise perform in accordance with this contract, that the CONSULTANT will be held responsible with no cost to the LOCAL AGENCY or in accordance with the LOCAL AGENCY'S dispute resolution process if applicable.
7. Check all shop drawing details for items of construction, as may be submitted to the LOCAL AGENCY for approval by the LOCAL AGENCY and the DEPARTMENT in order to insure compliance with plans and specifications.
8. Supply all materials, including incidental blueprints required.
9. During the performance of the SERVICES, be responsible for any loss or damage to the documents, hereinafter enumerated as belonging to the LOCAL AGENCY while they are in its possession. Restoration of lost or damaged documents shall be at the CONSULTANT'S expense.

10. Attend conferences and make such trips to the offices of the LOCAL AGENCY and to the site of the work to confer with representative of the LOCAL AGENCY or the DEPARTMENT or the FHWA as may be necessary in the carrying out of the work under this contract.

11. Follow standard accounting practices and permit representatives of the LOCAL AGENCY and the DEPARTMENT and the FHWA to audit and inspect its PROJECT books and records at any reasonable time. Such records are to be kept available for three (3) years from the date of the final payment for work conducted under this contract.

1. The CONSULTANT shall establish and maintain accurate records, in accordance with generally accepted accounting principals, of all expenses incurred for which payment is sought or made under this Contract, said records to be hereinafter referred to as the "RECORDS." Separate accounts shall be established and maintained for all costs incurred under this Contract.
2. The CONSULTANT shall maintain the RECORDS for at least three (3) years from the date of final payment of federal aid or state aid made by the DEPARTMENT to the LOCAL AGENCY under this Contract. In the event of a dispute with regard to the allowable expenses or any other issue under this Contract, the CONSULTANT shall thereafter continue to maintain the RECORDS at least until that dispute has been finally decided and the time for all available challenges or appeals of that decision has expired.
- c. The DEPARTMENT, or their representative, may inspect, copy, or audit the RECORDS at any reasonable time after giving reasonable notice.
- d. If any part of the work is subcontracted, the CONSULTANT shall assure compliance with subsections (a), (b), and (c) above for all subcontracted work.

12. Have in its employ a sufficient number of qualified employees available to complete the design of the PROJECT and to submit prints of the preliminary plans for the review of the LOCAL AGENCY and the DEPARTMENT by _____, and further submit the tracings of the final plans to the LOCAL AGENCY within six (6) weeks after receipt of the review comments. The date, as specified and determined, will be considered as the latest date for acceptable submission of plans unless an extension of time is granted as provided in Section 31.

13. Permit the LOCAL AGENCY, the DEPARTMENT, the FHWA, and other public agencies interested in the plans and designs for the PROJECT to have full access thereto during the progress of the SERVICES being preformed thereon.

14. Upon completion of the design of the PROJECT and final approval thereof by the LOCAL AGENCY and the DEPARTMENT, deliver to the LOCAL AGENCY the following:

- a. One (1) set of final construction plans which meet current DEPARTMENT standards concerning: the use of ink or pencil, scale of drawing, and type of reproducible drawing material used.
- b. One (1) reproducible copy of the special provisions.

- c. One (1) set each of the criterion for Supplemental Specifications indicating the appropriate items for the PROJECT.
- d. One (1) set of estimates of cost construction.
- e. One (1) set of reproducibles of design calculations, if requested.
- f. Upon request by the LOCAL AGENCY, make available thereto, all notes utilized in the preparation of the plans, supplemental specifications, and cost estimates.

15. Have their professional endorsement upon all plans, specifications, estimates, and engineering data furnished to the LOCAL AGENCY.

16. Show evidence of Workers' Compensation Insurance, said insurance to be as required by law.

17. Commence SERVICE as set forth in this contract only upon receipt of written notice from the LOCAL AGENCY'S PROJECT manager that the CONSULTANT'S SERVICES are desired.

18. Submit billings to the LOCAL AGENCY, as hereinafter set forth in Section 21.

THE LOCAL AGENCY SHALL:

19. Furnish for the use of the CONSULTANT, the DEPARTMENT'S standards for bridge and road design and such other information as may be needed in a particular instance.

20. For and in consideration of the SERVICES rendered by the CONSULTANT as set forth in this contract, pay the CONSULTANT on the basis of actual cost plus a fixed fee (profit) amount which shall not exceed _____ dollars (\$_____). The fixed fee (profit) shall be the amount of _____ dollars and _____ cents (\$_____), which amount is included in the total amount of _____ dollars (\$_____) as shown in Exhibit "A," attached hereto and made a part hereof.

Actual costs for SERVICES required and preformed will be determined in accordance with the following terms, subject to the cost criteria set forth in the Federal Acquisition Regulations, 48 CFR, Part 31:

- a. Direct Salary Costs: Actual labor costs of personnel performing the SERVICES. This cost will be based on the employees actual hourly rate _____ of pay and the actual hours of performance on the PROJECT as supported _____ by employee time records.
- b. Direct Costs: Actual costs of materials and services, other than salaries, as may be required hereunder but which are not normally provided as a part of the overhead of the CONSULTANT. All actual costs shall be itemized and certified as paid to specifically named firms or individuals, and shall be supported by proper receipts.
- c. Overhead (Indirect Costs): A pro-rated portion of the actual overhead

incurred by the CONSULTANT during performance of the SERVICES. The amount of overhead payment, including payroll overhead, will be calculated as a percentage of all direct labor costs related to staff personnel and members of the firm. Overhead shall include those costs which, because of their incurrence for common or joint objectives, are not readily subject to treatment as a direct cost. The provisional overhead rate, which will be applied to direct labor costs for progress payments, is set forth in Exhibit A.

It is agreed that the use of the provisional rate set forth in Exhibit A sets neither a minimum nor maximum to the actual overhead costs to be paid the CONSULTANT. Any overpayments or underpayments made to the CONSULTANT for SERVICES preformed resulting from usage of the provisional overhead rate, will be corrected subject to the contract maximum in the first paragraph of Section 20, in the first billing submitted subsequent to the CONSULTANT'S calculation of an actual overhead rate for the financial year end applicable to the reported direct labor cost. The audit at the completion of this contract, or at such time as this contract is terminated, will verify the propriety of reported overhead.

Facilities Cost of Capital: A pro-rated portion of the actual facilities cost of capital incurred by the CONSULTANT during work is reimbursable only if the estimated facilities cost of capital was specifically identified in the cost proposal for this work (Exhibit A).

- d. Travel and Subsistence: Actual costs in accordance with and not to exceed the amounts set forth in the State of Michigan Standardized Travel Regulations, incorporated herein by reference as if the same were repeated in full herein.
- e. Fixed Fee (Profit): In addition to the payments for direct and overhead costs as hereinbefore provided, the LOCAL AGENCY agrees to pay the CONSULTANT a fixed amount for profit for the SERVICES preformed. It is agreed and understood that such amount constitutes full compensation to the CONSULTANT for profit and will not vary because of any differences between the estimated cost and the actual cost for work preformed, except that in the event this contract is terminated, payment of a fixed fee (profit) in respect to the PROJECT shall be in an amount which can be established by the CONSULTANT from its accounts and records and subject to the provisions of Section 22.
- f. Subconsultant Costs: Actual costs of subconsultants performing SERVICES under this Contract. Amounts for fixed fees paid by the CONSULTANT to the subconsultant will not be considered an actual cost of the CONSULTANT, but will be considered a part of the fixed fee of the CONSULTANT
- g. Those costs incurred by the CONSULTANT in the utilization of the subcontracted services of _____ shall be excluded from the calculation of the CONSULTANT'S percentage of SERVICES completed, as set forth in Section 21a., but will be reimbursed by the LOCAL AGENCY. Payment by the LOCAL AGENCY will be made

directly to the CONSULTANT. The PROJECT cost attributable to _____ is estimated to be \$ _____.

The maximum amount, including the fixed fee (profit), hereinbefore set forth in this Section, shall not be exceeded except by the execution of an amendment to this contract by and between the parties hereto and with approval by the DEPARTMENT and the FHWA. Payment shall be made as set forth hereinafter.

21. Make payments to the CONSULTANT in accordance with the following procedures:

- a. Progress payments may be made for reimbursement of amounts earned to date and shall include direct costs, other direct costs, calculated amounts for overhead using overhead, and facilities cost of capital using applied rates, set forth hereinbefore, plus a portion of the fixed fee.

The portion of the fixed fee which may be included in progress payments shall be equal to the total fixed fee multiplied by the percentage of the work which has been completed to date of billing.

- b. Partial payments will be made upon the submission by the CONSULTANT of a billing, accompanied by properly completed reporting forms and such other evidence of progress as may be required by the LOCAL AGENCY. Partial payments shall be made only once a month.
- c. Final billing under this contract shall be submitted in a timely manner but not later than three (3) months after completion of the SERVICES. Billing for work submitted later than three (3) months after completion of SERVICES will not be paid. Final payment, including adjustments of direct salary costs, other direct costs and overhead costs, will be made upon completion of audit by the LOCAL AGENCY and/or as appropriate, by representatives of the DEPARTMENT and the FHWA. In the event such audit indicates an overpayment, the CONSULTANT will repay the LOCAL AGENCY within _____ days of the date of the invoice.

22. If SERVICES, or any part thereof, are terminated before completed, pay the CONSULTANT as follows:

- a. Pay the CONSULTANT actual cost plus overhead, as defined herein, incurred for the work to be terminated up to the time of termination, plus an amount determined at the time of termination to compensate the CONSULTANT in full for a normal profit on work completed, as set forth in Section 20. The amount included for overhead and profit shall be subject to approval by the DEPARTMENT and the FHWA.
- b. In no case, shall the compensation paid to the CONSULTANT for SERVICES, or any part thereof, exceed the amount the CONSULTANT would receive had the SERVICES, or the terminated portion thereof been completed.

IT IS FURTHER AGREED THAT:

23. Approval of this contract by the DEPARTMENT in no way obligates the DEPARTMENT for any costs or other responsibilities, except as fiscal agent for the FHWA with respect to making federal funds available for the SERVICES preformed by the CONSULTANT for the LOCAL AGENCY.

24. Upon completion or termination of this contract, all documents prepared by the CONSULTANT, including tracings, drawings, estimates, specifications, field notes, investigations, studies, etc., as instruments of SERVICE shall become the property of the LOCAL AGENCY.

25. No portion of the PROJECT work, hereto before defined, shall be sublet, assigned, or otherwise disposed of except as herein provided or with the prior written consent of the LOCAL AGENCY and approval by the DEPARTMENT and the FHWA. Consent to sublet, assign or otherwise dispose of any portion of the SERVICES shall not be construed to relieve the CONSULTANT of any responsibility for the fulfillment of this contract.

26. All questions which may arise as to the quality and acceptability of work, the manner of performance and rate of progress of the work, and the interpretation of plans and specifications shall be decided by the LOCAL AGENCY'S PROJECT Manager. All questions as to the satisfactory and acceptable fulfillment of the terms of this contract shall be decided by the LOCAL AGENCY.

27. Any change in SERVICES to be preformed by the CONSULTANT involving extra compensation must be authorized in writing by the LOCAL AGENCY and approved by the DEPARTMENT and the FHWA prior to the performance thereof by the CONSULTANT and requires an amendment to this Contract.

28. In addition, the CONSULTANT shall comply with, and shall require any contractor or subcontractor to comply with, the following:

- a. In connection with the performance of this contract, the CONSULTANT (hereinafter in Appendix "A" referred to as the "contractor") agrees to comply with the State of Michigan provisions for "Prohibition of Discrimination in State Contracts," as set forth in Appendix "A," attached hereto and made a part hereof.
- b. During the performance of this contract, the CONSULTANT for itself, its assignees, and successors in interest (hereinafter in Appendix "B" referred to as the "contractor") agrees to comply with the Civil Rights Act of 1964, being P.L. 88-352, 78 Stat. 241, as amended, being Title 42 U.S.C. Sections 1971, 1975a-1975d, and 2000a-2000h-6, and the Regulations of the United States Department of Transportation (49 CFR Part 21) issued pursuant to said Act, including Appendix "B," attached hereto and made a part hereof.

- c. The parties hereto further agree that they accept the DEPARTMENT'S Minority Business Enterprises/Women's Business Enterprises (MBE/WBE) Program with respect to the PROJECT and will abide by the provisions set forth in Appendix "C" attached hereto and made a part hereof, being an excerpt from Title 42 CFR Part 23, more specifically 23.43(a)(1) and (2) thereof.

29. The CONSULTANT warrants that it has not employed or retained any company or person other than bona fide employees working solely for the CONSULTANT, to solicit or secure this contract, and that he has not paid or agreed to pay any company or person, other than bona fide employees working solely for the CONSULTANT, any fee, commission, percentage, brokerage fee, gifts, or any other consideration, contingent upon, or resulting from the award, or making of this contract. For breach or violation of this warranty, the LOCAL AGENCY shall have the right to annul this contract without liability or, at its discretion, to deduct from the contract price or consideration, or otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, gifts or contingent fee.

30. The CONSULTANT specifically agrees that in the performance of SERVICES herein enumerated by it, or by an approved subcontractor, or anyone acting in its behalf, they will, to the best of their professional knowledge and ability, comply with any and all applicable state, federal, and local statutes, ordinances, and regulations.

31. No charges or claims for damages shall be made by the CONSULTANT for delays or hindrances from any cause whatsoever during the progress of any portions of the SERVICES specified in this contract, except as hereinafter provided.

In case of a substantial delay on the part of the LOCAL AGENCY in providing to the CONSULTANT either the necessary information or approval to proceed with the work, resulting, through no fault of the CONSULTANT, in delays of such extent as to require the CONSULTANT to perform its work under changed conditions not contemplated by the parties, the LOCAL AGENCY will consider supplemental compensation limited to increased costs incurred as a direct result of such delays. Any claim for supplemental compensation must be in writing and accompanied by substantiating data. Authorization of such supplemental compensation shall be by an amendment to this contract subject to prior approval by the DEPARTMENT and the FHWA.

When delays are caused by circumstances or conditions beyond the control of the CONSULTANT as determined by the LOCAL AGENCY, the CONSULTANT shall be granted an extension of time for such reasonable period as may be mutually agreed upon between the parties, it being understood, however, that the permitting of the CONSULTANT to proceed to complete the SERVICES, or any part of them, after the date to which the time of completion may have been extended, shall in no way operate as a waiver on the part of the LOCAL AGENCY of any of its rights herein set forth.

32. In case the CONSULTANT deems extra compensation will be due it for work or materials not clearly covered in this contract, or not ordered by the LOCAL AGENCY as a change, or due to changed conditions, the CONSULTANT shall notify the LOCAL AGENCY in writing of its intention to make claim for such extra compensation before beginning such work. Failure on the part of the CONSULTANT to give such notification will constitute a waiver of the claim for such extra compensation. The filing of such notice by the CONSULTANT shall not in any way be construed to establish the validity of the claim. Such extra compensation shall be provided only by amendment to this contract with approval of the DEPARTMENT and the FHWA.

33. The CONSULTANT agrees to obtain the necessary liability insurance, acceptable to the LOCAL AGENCY and the DEPARTMENT, naming the _____, the Michigan State Transportation Commission, and the Michigan Department of Transportation as insured, and to provide the LOCAL AGENCY with evidence of said insurance, and to indemnify and save harmless the LOCAL AGENCY, the Michigan State Transportation Commission, and the DEPARTMENT, their officers, agents and employees from any and all claims and losses occurring or resulting to any person, firm or corporation furnishing or supplying work, services, materials, or supplies in connection with the performance of this contract, and from any and all claims and losses occurring or resulting to any person, firm, or corporation who may be injured or damaged by the CONSULTANT in the performance of this contract.

34. This contract shall be terminated upon advisement to the CONSULTANT by the LOCAL AGENCY that its SERVICES are completed and accepted.

35. The CONSULTANT'S signature on this Contract constitutes the CONSULTANT'S certification of "status" under penalty of perjury under the laws of the United States in respect to 49 CFR Part 29 pursuant to Executive Order 12549.

The certification, which is included as a part of this Contract as Attachment "A," is Appendix A of 49 CFR Part 29, and applies to the CONSULTANT (referred to in Appendix A of 49 CFR Part 29 as "the prospective primary participant").

The CONSULTANT is responsible for obtaining the same certification from all subcontractors under this contract by inserting the following paragraph in all subcontracts:

"The subcontractor's signature on this Contract constitutes the subcontractor's certification of 'status' under penalty of perjury under the laws of the United States in respect to 49 CFR Part 29 pursuant to Executive Order 12549. The certification, which is included as a part of this Contract as Attachment "B," is Appendix B of 49 CFR Part 29."

This certification is required of all subcontractors, testing laboratories, and other lower tier participants with which the CONSULTANT enters into a written arrangement for the procurement of goods or services provided for in this Contract.

36. The CONSULTANT hereby agrees that the costs reported to the LOCAL AGENCY for this Contract shall represent only those items which are properly chargeable in accordance with this Contract. The CONSULTANT also hereby certifies that it has read the Contract terms and has made itself aware of the applicable laws, regulations, and terms of this Contract that apply to the reporting of costs incurred under the terms of this Contract.

37. Upon execution of this contract by the parties hereto, the same shall become binding on the parties hereto and their successors and assigns, until such time as all work contemplated hereunder is complete, or until such time as this contract is terminated by mutual consent of the parties hereto.

IN WITNESS WHEREOF, the parties hereto have set their hands and seals by their duly authorized agents and representatives the day and year first above written.

BY: _____
TITLE:

BY: _____
TITLE:

BY: _____
TITLE:

BY: _____
TITLE:

EXHIBIT A

PRELIMINARY ENGINEERING ESTIMATED DIRECT COST BREAKDOWN BY ITEM

CONSULTANT			
	Hours	Dollars per Hour	Total Dollars
PRELIMINARY INVESTIGATION & SUPERVISION			
Principal			
Engineer I			
SURVEYING			
Crew Chief			
Survey Assistant			
Survey Assistant			
DESIGN			
Engineer I			
Engineer II			
DRAFTING			
Draftsman			
Draftsman			
Draftsman			
REVIEW AND CONSULTATION			
Principal			
Engineer I			
SUBTOTAL			
100% DIRECT PAYROLL			
Other Itemized Direct Costs (i.e., travel, mileage, etc.)			
_____ % Overhead			
_____ % Facilities Capital Cost of Money (FCCOM)			
Fixed Fee (Profit)			
CONSULTANT SUBTOTAL			
TESTING ENGINEERS AND CONSULTANTS - SOIL BORINGS			
GRAND TOTAL PROJECT COST			

APPENDIX A
PROHIBITION OF DISCRIMINATION IN STATE CONTRACTS

In connection with the performance of work under this contract; the contractor agrees as follows:

1. In accordance with Act No. 453, Public Acts of 1976, the contractor hereby agrees not to discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment, or as a matter directly or indirectly related to employment, because of race, color, religion, national origin, age, sex, height, weight, or marital status. Further, in accordance with Act No. 220, Public Acts of 1976 as amended by Act No. 478, Public Acts of 1980 the contractor hereby agrees not to discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment, or a matter directly or indirectly related to employment, because of a disability that is unrelated to the individual's ability to perform the duties of a particular job or position. A breach of the above covenants shall be regarded as a material breach of this contract.
2. The contractor hereby agrees that any and all subcontracts to this contract, whereby a portion of the work set forth in this contract is to be performed, shall contain a covenant the same as hereinabove set forth in Section 1 of this Appendix.
3. The contractor will take affirmative action to insure that applicants for employment and employees are treated without regard to their race, color, religion, national origin, age, sex, height, weight, marital status or a disability that is unrelated to the individual's ability to perform the duties of a particular job or position. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.
4. The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, age, sex, height, weight, marital status or disability that is unrelated to the individual's ability to perform the duties of a particular job or position.
5. The contractor or his collective bargaining representative will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice advising the said labor union or workers' representative of the contractor's commitments under this appendix.
6. The contractor will comply with all relevant published rules, regulations, directives, and orders of the Michigan Civil Rights Commission which may be in effect prior to the taking of bids for any individual state project.
7. The contractor will furnish and file compliance reports within such time and upon such forms as provided by the Michigan Civil Rights Commission, said forms may also elicit information as to the practices, policies, program, and employment statistics of each subcontractor as well as the contractor himself, and said contractor will permit access to his books, records, and accounts by the Michigan Civil Rights Commission and/or its agent, for purposes of investigation to ascertain compliance with this contract and relevant with rules, regulations, and orders of the Michigan Civil Rights Commission.
8. In the event that the Civil Rights Commission finds, after a hearing held pursuant to its rules, that a contractor has not complied with the contractual obligations under this agreement, the Civil Rights Commission may, as part of its order based upon such findings, certify said findings to the Administrative Board of the State of Michigan, which Administrative Board may order the cancellation of the contract found to have been violated and/or declare the contractor ineligible for future contracts with the state and its political and civil subdivisions, departments, and officers, and including the governing boards of institutions of higher education, until the contractor complies with said order of the Civil Rights Commission. Notice of said declaration of future ineligibility may be given to any or all of the persons with whom the contractor is declared ineligible to contract as a contracting party in future contracts. In any case before the Civil Rights Commission in which cancellation of an existing contract is a possibility, the contracting agency shall be notified of such possible remedy and shall be given the option by the Civil Rights Commission to participate in such proceedings.
9. The contractor will include, or incorporate by reference, the provisions of the foregoing paragraphs (1) through (8) in every subcontract or purchase order unless exempted by the rules, regulations or orders of the Michigan Civil Rights Commission, and will provide in every subcontract or purchase order that said provisions will be binding upon each subcontractor or seller.

March, 1998

APPENDIX B

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees as following:

1. Compliance with Regulations: The contractor shall comply with the regulations relative to nondiscrimination in federally assisted programs of the Department of Transportation, Title 49, Code of Federal Regulations, Part 27, as they may be amended from time to time (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.
2. Nondiscrimination: The contractor, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, or natural origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.
3. Solicitations for Subcontracts, Including Procurements of Materials and Equipment: In all solicitations either by competitive bidding or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subcontractor or supplier shall be notified by the contractor of the contractor's obligations under this contract and the Regulations relative to nondiscrimination on the grounds of race, color, or national origin.
4. Information and Reports: The contractor shall provide all information and reports required by the Regulations, or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information and its facilities, as may be determined by the Michigan Department of Transportation or the Federal Highway Administration to be pertinent to ascertain compliance with such Regulations or directives. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information, the contractor shall so certify to the Michigan Department of Transportation, or the Federal Highway Administration as appropriate, and shall set forth what efforts it has made to obtain the information.
5. Sanctions for Noncompliance: In the event of the contractor's noncompliance with the nondiscrimination provisions of this contract, the Michigan Department of Transportation shall impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:
 - (a) Withholding of payments to the contractor under the contract until the contractor complies, and/or
 - (b) Cancellation, termination, or suspension of the contract, in whole or in part.
6. Incorporation of Provisions: The contractor shall include the provisions of paragraphs 1 through 6 of every subcontract, including procurements of materials and leases of equipment, unless exempt by the Regulations or directives issued pursuant thereto. The contractor shall take such action with respect to any subcontract or procurement as the Michigan Department of Transportation or the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for non-compliance; provided, however that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the contractor may request the Michigan Department of Transportation to enter into such litigation to protect the interests of the state, and, in addition, the contractor may request the United States to enter into such litigation to protect the interest of the United States.

APPENDIX C

TO BE INCLUDED IN ALL FINANCIAL ASSISTANCE AGREEMENTS WITH LOCAL AGENCIES

General Requirements for Recipients

Excerpts from USDOT Regulation 49 CFR, Part 23, Section 23.43

- A. Policy: It is the policy of the Department that MBE as defined in 49 CFR, Part 23, shall have the maximum opportunity to participate in the performance of contracts financed in whole or in part with federal funds. Consequently, the MBE requirements of 49 CFR, Part 23, apply to this contract.
- B. MBE Obligation: The recipient or its contractor agrees to ensure that MBE as defined in 49 CFR, Part 23, has the maximum opportunity to participate in the performance of contracts and subcontracts financed in whole or in part with federal funds provided under this agreement. In this regard, all recipients or contractors shall take all necessary and reasonable steps in accordance with 49 CFR, Part 23, to ensure that MBE has the maximum opportunity to compete for and perform contracts. Recipients and their contractors shall not discriminate on the basis of race, color, national origin, or sex in the award and performance of departmentally-assisted contracts.
- C. If, as a condition of assistance, the recipient has submitted and the department has approved a minority business enterprise affirmative action program which the recipient agrees to carry out, this program is incorporated into this financial assistance agreement by reference. This program shall be treated as a legal obligation and failure to carry out its terms shall be treated as a violation of this financial assistance agreement. Upon notification to this recipient of its failure to carry out the approved program, the Department shall impose such sanctions as noted in 49 CFR, Part 23, Subpart E, which sanctions may include termination of the agreement or other measures that may affect the ability of the recipient to obtain future departmental, financial assistance.
- D. The Department hereby advises each recipient, contractor, or subcontractor that failure to carry out the requirements set forth in Section 23.43(a) 49 CFR, Part 23, shall constitute a breach of contract, and after the notification of the USDOT, may result in termination of the agreement or contract by the Department or such remedy as the Department deems appropriate.

SUBCONTRACT NO. _____
CONTROL SECTION NO. _____
JOB NO. _____
FED. PROJECT NO. _____
FED. ITEM NO. _____

CERTIFICATION

I hereby certify that I am _____
and a duly authorized representative of the firm of _____
whose address is _____ and that
neither I nor the above firm I here represent has:

(a) employed or retained for a commission, percentage, brokerage, contingent fee,
or other consideration, any firm or person (other than a bona fide employee working solely for
me or the above _____) to solicit or secure this contract.

(b) agreed, as an express or implied condition for obtaining this contract, to
employ or retain the services of any firm or person in connection with carrying out the contract,
or

(c) paid, or agreed to pay, to any firm, organization or person (other than a bona
fide employee working solely for me or the above _____) any fee,
contribution, donation, or consideration of any kind for, or in connection with, procuring or
carrying out the contract:

except as here expressly stated (if any):

I acknowledge that this certification is to be furnished to the Michigan
Department of Transportation in connection with this contract involving participation of state
and/or federal funds, and is subject to applicable state and federal laws, both criminal and civil.

Date

Signature

ATTACHMENT A
(This is a reproduction of Appendix A of 49 CFR Part 29)
CERTIFICATION REGARDING DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS -
PRIMARY COVERED TRANSACTIONS

Instructions for Certification

1. By signing and submitting this proposal, the prospective primary participant is providing the certification set out below.
2. The inability of a person to provide the certification required below will not necessarily result in denial of participation in this covered transaction. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective primary participant to furnish a certification or an explanation shall disqualify such person from participation in this transaction.
3. The certification in this clause is a material representation of fact upon which reliance was placed when the department or agency determined to enter into this transaction. If it is later determined that the prospective primary participant knowingly rendered an erroneous certification in addition to other remedies available to the federal government, the department or agency may terminate this transaction for cause of default.
4. The prospective primary participant shall provide immediate written notice to the department or agency to whom this proposal is submitted if at any time the prospective primary participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
5. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposed," and "voluntarily excluded" as used in this clause, have the meanings set out in the Definitions and Coverage sections of the rules impending Executive Order 12549. You may contact the department or agency to which this proposal is being submitted for assistance in obtaining a copy of those regulations.
6. The prospective primary participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.
7. The prospective primary participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion-Lower Tier Covered Transaction," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
8. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals.
9. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally processed by a prudent person in the ordinary course of business dealings.
10. Except for transactions authorized under paragraph 6 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the federal government, the department or agency may terminate this transaction for cause or default.

Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions

1. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
 - A. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any federal department or agency;
 - B. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state, or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification, or destruction of records, making false statements, or receiving stolen property;
 - C. Are not presently indicated for or otherwise criminally or civilly charged by a government entity (federal, state, or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
 - D. Have not within a three-year period preceding this application/proposal had one or more public transactions (federal, state, or local) terminated for cause or default.
2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

March 9, 1989

ATTACHMENT B
(This is a reproduction of Appendix B of 49 C.F.R. Part 29)
CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY
AND VOLUNTARY EXCLUSION-LOWER TIER COVERED TRANSACTIONS

Instructions for Certification

1. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.
2. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.
3. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
4. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations.
5. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.
6. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion-Lower Tier Covered Transaction," without notification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
7. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Nonprocurement List (Telephone No. (517) 335-2513 or (517) 335-2514).
8. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
9. Except for transactions authorized under paragraph 5 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion-Lower Tier Covered Transactions

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency.
2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

SUBCONTRACT NO. _____
CONTROL SECTION NO. _____
JOB NO. _____
FED. PROJECT NO. _____
FED. ITEM NO. _____

TESTING, ENGINEERING & CONSULTANT SERVICES CONTRACT

A _____ PROJECT

THIS Contract, made and entered into as of this date of _____, by and between _____, Consulting Engineers, of _____, Michigan, hereinafter referred to as the "CONSULTANT", and the _____, hereinafter referred to as the "LOCAL AGENCY."

WITNESSETH:

WHEREAS, the LOCAL AGENCY is planning to _____ a _____ project within its limits; and

WHEREAS, the LOCAL AGENCY desires to engage the professional services and assistance of the CONSULTANT to perform certain construction materials testing and inspection services, said work to be hereinafter referred to as the "SERVICES," required in connection with the construction of the following _____ improvements under the _____, said improvements to be hereinafter referred to as the "PROJECT:"

" _____

_____;" and

WHEREAS, the LOCAL AGENCY has programmed the PROJECT with the Michigan Department of Transportation, hereinafter referred to as the "DEPARTMENT," for construction with the use of _____ funds administered by the United States Department of Transportation, Federal Highway Administration, hereinafter referred to as the "FHWA;" and

WHEREAS, the CONSULTANT has reviewed the contract plans, specifications, requirements to the DEPARTMENT and FHWA, and is willing to render the SERVICES desired by the LOCAL AGENCY for the considerations hereinafter expressed; and

WHEREAS, the CONSULTANT was selected utilizing a qualifications based selection (QBS) process; and

WHEREAS, the parties hereto have reached an understanding as to the scope of the work and the performance of the SERVICES on the PROJECT and desire to set forth this understanding in the form of a written contract;

NOW, THEREFORE, it is hereby agreed by and between the parties hereto that:

THE CONSULTANT SHALL:

1. Perform and conduct field checks and laboratory testing of materials and equipment to assure compliance with the contract specifications and requirements of the DEPARTMENT and the FHWA. Reference is made to the DEPARTMENT'S 1996 Standard Specifications for Construction Manual and the PROJECT's plans and proposal.

2. Provide DEPARTMENT'S Construction and Technology Division notification in a timely manner to provide for independent assurance testing as prescribed in the DEPARTMENT'S Soils and Procedure Manual and Construction Manual. Permit the LOCAL AGENCY, the DEPARTMENT, and other public agencies having an interest in the service, to be present during the time of performance of the services to allow for review and inspection of work procedures and performances.

3 Perform all work under the direction of the LOCAL AGENCY's Project Engineer.

4. Provide such reports and maintain such records of the PROJECT as are determined necessary by the PROJECT Engineer, the LOCAL AGENCY, the DEPARTMENT and the FHWA. Upon request by the LOCAL AGENCY, make available thereto all notes and records relating to any and all services performed, including inspector's diaries and worksheets. Have its official seal or other identification on all data furnished to the LOCAL AGENCY.

5. Govern all SERVICES by the applicable codes, laws, and standards of the LOCAL AGENCY, the DEPARTMENT, and the FHWA.

6. During the performance of the SERVICES herein provided for, be responsible for any loss or damage to samples and test documents requested by the LOCAL AGENCY while they are in its possession. Restoration of lost or damaged documents shall be at the CONSULTANT'S expense.

7. Attend conferences and make such trips as necessary to the LOCAL AGENCY'S offices and to the site of the work to confer with representatives of the LOCAL AGENCY, the DEPARTMENT or the FHWA as may be necessary in the carrying out of the work under this contract.

8. Follow standard accounting practices and permit representatives of the LOCAL AGENCY, the DEPARTMENT and the FHWA to audit and inspect its PROJECT books and records at any reasonable time. Such records are to be kept available for three (3) years from the date of the final payment of federal aid for work conducted under this contract.

- a. The CONSULTANT shall establish and maintain accurate records, in accordance with generally accepted accounting principles, of all expenses incurred for which payment is sought or made under this Contract, said records to be hereinafter referred to as the "RECORDS." Separate accounts shall be established and maintained for all costs incurred under this Contract.
- b. The CONSULTANT shall maintain the RECORDS for at least three (3) years from the date of final payment of federal aid made by the DEPARTMENT under this Contract. In the event of a dispute with regard to the allowable expenses or any other issue under this Contract, the CONSULTANT shall thereafter continue to maintain the RECORDS at least until that dispute has been finally decided and the time for all available challenges or appeals of that decision has expired.
- c. The DEPARTMENT, or their representative, may inspect, copy, or audit the RECORDS at any reasonable time after giving reasonable notice.
- d. If any part of the work is subcontracted, the CONSULTANT shall assure compliance with subsections (a), (b), and (c) above for all subcontracted work.

9. Have in its employ a sufficient number of qualified employees available to complete the SERVICES in accordance with the schedule for construction and completion of the PROJECT upon the authorization to proceed with the SERVICES as outlined herein.

10. Show evidence of Workers' Compensation Insurance, said insurance to be as required by law.

11. Commence work on the PROJECT as set forth in this contract only upon receipt of written notice from the Project Engineer that the CONSULTANT'S services are desired.

12. Submit billings to the LOCAL AGENCY as set forth in Section 14.

THE LOCAL AGENCY WILL:

13. Furnish _____ with the necessary information deemed appropriate to the furtherance and completion of its SERVICES as herein set forth.

Process instruction and work assignments as follows:

- a. When it is desired to have _____ perform a specific SERVICE, inform _____ of the work to be performed by means of an "Instruction Letter" supplemented by verbal contacts which provide project information and authorizes the performance of SERVICES.
- b. Have the right to withdraw individual work assignment upon which no work has been performed or is scheduled to commence within two (2) weeks from the date of notification of withdrawal.

14. Pay the CONSULTANT as soon as practical after receipt of billings of SERVICES of the kind and performed in the manner set forth above, said billing being subject to verification by the LOCAL AGENCY and approval by the Engineer. Payments shall be in accordance with Exhibit A, attached hereto and made a part hereof:

- a. For work performed on a unit cost basis, which cost shall include full compensation for all labor, material, and equipment necessary to complete any requested unit of work, at the unit prices set forth in Exhibit A, attached hereto and made a part hereof.
- b. For transportation and travel expenses.
 1. CONSULTANT shall be reimbursed for actual mileage and travel expenses incurred by and paid to their employees in the performance of SERVICES requested by the LOCAL AGENCY. Said transportation and travel expenses shall not exceed the State of Michigan regulations. Amounts claimed for mileage and travel expenses paid to their employees, in the performance of SERVICES requested by the LOCAL AGENCY, shall be included along with a detailed breakdown of charges for SERVICES performed, by state and federal project, showing names of employees, dates, and amounts of mileage and travel expenses incurred.
 2. Whenever the CONSULTANT performs services for the LOCAL AGENCY and other clients on the same trip, transportation and travel expenses shall all be pro-rated on the basis of hours worked for the LOCAL AGENCY and other clients.

Example:

Hours worked for the LOCAL AGENCY	3
<u>Hours worked for other Clients</u>	<u>5</u>
Total hours worked	8

3/8 of the transportation and travel expenses on that trip shall be charged to and paid by the LOCAL AGENCY.

3. The CONSULTANT shall make their records pertaining to mileage and travel expenses incurred and paid to employees available for audit.
- c. Reimbursement for costs incurred are subject to the cost criteria as set forth in 48 C.F.R., Federal Acquisition Regulations, Part 31, incorporated herein by reference as if the same were repeated in full herein.

Facilities Cost of Capital - A pro-rated portion of the actual facilities cost of capital incurred by the CONSULTANT during work is reimbursable

only if the estimated facilities cost of capital was specifically identified in the cost proposal for this work (Exhibit A).

15. In the event this contract is terminated prior to completion of the requested SERVICES from the CONSULTANT, reimburse the CONSULTANT at the above stated rates for all of said SERVICES rendered prior to termination.

16. Consider the SERVICES on a specific project to be completed when all samples and test reports have been received and accepted by the LOCAL AGENCY, except for retention of records as provided in Section 8.

IT IS FURTHER AGREED THAT:

17. Approval of this contract by the DEPARTMENT in no way obligates the DEPARTMENT for any cost or other responsibilities, except for as fiscal agent for the FHWA with respect to making federal funds available for the SERVICES performed by the CONSULTANT for the LOCAL AGENCY.

18. Upon completion or termination of this contract, all documents prepared by the CONSULTANT, including field notes, investigations, studies, etc., as instruments of SERVICE shall become the property of the LOCAL AGENCY.

19. No portion of the PROJECT work, hereto before defined, shall be sublet, assigned, or otherwise disposed of except as herein provided or with the prior written consent of the LOCAL AGENCY and approval by the DEPARTMENT and the FHWA. Consent to sublet, assign or otherwise dispose of any portion of the SERVICES shall not be construed to relieve the CONSULTANT of any responsibility for the fulfillment of this contract.

20. All questions which may arise as to the quality and acceptability of work, the manner of performance and rate of progress of the work, and the interpretation of plans and specifications shall be decided by the LOCAL AGENCY'S Project Engineer. All questions as to the satisfactory and acceptable fulfillment of the terms of this contract shall be decided by the LOCAL AGENCY.

21. The CONSULTANT and the LOCAL AGENCY specifically agree that in the event problems arise that may be the result of errors and/or omissions by the CONSULTANT or due to a failure of the CONSULTANT to otherwise perform in accordance with this contract, that the CONSULTANT will be held responsible with no cost to the LOCAL AGENCY, or in accordance with the LOCAL AGENCY'S dispute resolution process, if applicable.

22. Any change in SERVICES to be performed by the CONSULTANT involving extra compensation must be authorized in writing by the LOCAL AGENCY and approved by the DEPARTMENT and the FHWA prior to the performance thereof by the CONSULTANT and requires an amendment to this Contract.

23. In addition, the CONSULTANT shall comply with, and shall require any contractor or subcontractor to comply with, the following:

- a. In connection with the performance of the PROJECT under this contract, the CONSULTANT (hereinafter in Appendix "A" referred to as the "contractor") agrees to comply with the State of Michigan provisions for "Prohibition of Discrimination in State Contracts," as set forth in Appendix "A," attached hereto and made a part hereof and will require a similar covenant on the part of any contractor or subcontractor employed in the performance of this contract.
- b. During the performance of this contract, the CONSULTANT for itself, its assignees, and successors in interest (hereinafter in Appendix "B" referred to as the "contractor") agrees to comply with the Civil Rights Act of 1964, being P.L. 88-352, 78 Stat. 241, as amended, being Title 42 U.S.C. Sections 1971, 1975a-1975d, and 2000a-2000h-6, and the Regulations of the United States Department of Transportation (49 C.F.R. Part 21) issued pursuant to said Act, including Appendix "B," attached hereto and made a part hereof and will require similar covenants on the part of any contractor or subcontractor employed in the performance of this contract.
- c. The parties hereto further agree that they accept the DEPARTMENT'S Minority Business Enterprises/Women's Business Enterprises (MBE/WBE) Program with respect to the PROJECT and will abide by the provisions set forth in Appendix "C" attached hereto and made a part hereof, being an excerpt from Title 42 C.F.R. Part 23, more specifically 23.43(a)(1) and (2) thereof.

24. The CONSULTANT warrants that it has not employed or retained any company or person other than bona fide employees working solely for the CONSULTANT, to solicit or secure this contract, and that he has not paid or agreed to pay any company or person, other than bona fide employees working solely for the CONSULTANT, any fee, commission, percentage, brokerage fee, gifts, or any other consideration, contingent upon, or resulting from the award, or making of this contract. For breach or violation of this warranty, the LOCAL AGENCY shall have the right to annul this contract without liability or, at its discretion, to deduct from the contract price or consideration, or otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, gifts or contingent fee.

25. The CONSULTANT specifically agrees that in the performance of SERVICES herein enumerated by it, or by an approved subcontractor, or anyone acting in its behalf, they will, to the best of their professional knowledge and ability, comply with any and all applicable state, federal, and local statutes, ordinances, and regulations.

26. No charges or claims for damages shall be made by the CONSULTANT for delays or hindrances from any cause whatsoever during the progress of any portions of the SERVICES specified in this contract, except as hereinafter provided.

In case of a substantial delay on the part of the LOCAL AGENCY in providing to the CONSULTANT either the necessary information or approval to proceed with the work, resulting, through no fault of the CONSULTANT, in delays of such extent as to require the CONSULTANT to perform its work under changed conditions not contemplated by the parties, the LOCAL AGENCY will consider supplemental compensation limited to increased costs

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incurred as a direct result of such delays. Any claim for supplemental compensation must be in writing and accompanied by substantiating data. Authorization of such supplemental compensation shall be by an amendment to this contract subject to prior approval by the DEPARTMENT and the FHWA.

When delays are caused by circumstances or conditions beyond the control of the CONSULTANT as determined by the LOCAL AGENCY, the CONSULTANT shall be granted an extension of time for such reasonable period as may be mutually agreed upon between the parties, it being understood, however, that the permitting of the CONSULTANT to proceed to complete the SERVICES, or any part of them, after the date to which the time of completion may have been extended, shall in no way operate as a waiver on the part of the LOCAL AGENCY of any of its rights herein set forth.

27. In case the CONSULTANT deems extra compensation will be due it for work or materials not clearly covered in this contract, or not ordered by the LOCAL AGENCY as a change, or due to changed conditions, the CONSULTANT shall notify the LOCAL AGENCY in writing of its intention to make claim for such extra compensation before beginning such work. Failure on the part of the CONSULTANT to give such notification will constitute a waiver of the claim for such extra compensation. The filing of such notice by the CONSULTANT shall not in any way be construed to establish the validity of the claim. Such extra compensation shall be provided only by amendment to this contract with approval of the DEPARTMENT and the FHWA.

28. The CONSULTANT agrees to obtain the necessary liability insurance, acceptable to the LOCAL AGENCY, naming the _____, the Michigan State Transportation Commission, and the Michigan Department of Transportation as insured, and to provide the LOCAL AGENCY with evidence of said insurance, and to indemnify and save harmless the LOCAL AGENCY, the Michigan State Transportation Commission, and the DEPARTMENT, their officers, agents and employees from any and all claims and losses occurring or resulting to any person, firm or corporation furnishing or supplying work, services, materials, or supplies in connection with the performance of this contract, and from any and all claims and losses occurring or resulting to any person, firm, or corporation who may be injured or damaged by the CONSULTANT in the performance of this contract.

29. The CONSULTANT'S signature on this Contract constitutes the CONSULTANT'S certification of "status" under penalty of perjury under the laws of the United States in respect to 49 CFR Part 29 pursuant to Executive Order 12549.

The certification which is included as a part of this Contract as Attachment "A," is Appendix A of 49 CFR Part 29, and applies to the CONSULTANT (referred to in Appendix A of 49 CFR Part 29 as "the prospective primary participant").

The CONSULTANT is responsible for obtaining the same certification from all subcontractors under this contract by inserting the following paragraph in all subcontracts:

"The subcontractor's signature on this Contract constitutes the subcontractor's certification of 'status' under penalty of perjury under the laws of the United States in respect to 49 CFR Part 29 pursuant to Executive Order 12549. The certification which is included as a part of this Contract as Attachment "B," is Appendix B of 49 CFR Part 29."

This certification is required of all subcontractors, testing laboratories, and other lower tier participants with which the CONSULTANT enters into a written arrangement for the procurement of goods or services provided for in this Contract.

30. This contract shall be terminated upon advisement to the CONSULTANT by the LOCAL AGENCY that its SERVICES are completed and accepted.

31. The CONSULTANT hereby agrees that the costs reported to the LOCAL AGENCY for this Contract shall represent only those items which are properly chargeable in accordance with this Contract. The CONSULTANT also hereby certifies that it has read the Contract terms and has made itself aware of the applicable laws, regulations, and terms of this Contract that apply to the reporting of costs incurred under the terms of this Contract.

32. Upon execution of this contract by the parties hereto, the same shall become binding on the parties hereto and their successors and assigns, until such time as all work contemplated hereunder is complete, or until such time as this contract is terminated by mutual consent of the parties hereto.

IN WITNESS WHEREOF, the parties hereto have set their hands and seals by their duly authorized agents and representatives the day and year first above written.

BY: _____
TITLE: _____

BY: _____
TITLE: _____

BY: _____
TITLE: _____

BY: _____
TITLE: _____

EXHIBIT A

TESTING, ENGINEERING & CONSULTANT SERVICES CONTRACT ESTIMATED DIRECT COST BREAKDOWN BY ITEM

CONSULTANT			
	Hours	Dollars per Hour	Total Dollars
PRELIMINARY INVESTIGATION & SUPERVISION			
Principal			
Engineer I			
TESTING			
Engineer I			
Technician I			
Technician II			
INSPECTION			
Engineer I			
Technician I			
Technician II			
OTHER			
SUBTOTAL			
100% DIRECT PAYROLL			
Other Itemized Direct Costs (i.e., travel, mileage, etc.)			
_____ % Overhead			
_____ % Facilities Capital Cost of Money (FCCOM)			
Fixed Fee (Profit)			
TOTAL			

APPENDIX A
PROHIBITION OF DISCRIMINATION IN STATE CONTRACTS

In connection with the performance of work under this contract; the contractor agrees as follows:

1. In accordance with Act No. 453, Public Acts of 1976, the contractor hereby agrees not to discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment, or as a matter directly or indirectly related to employment, because of race, color, religion, national origin, age, sex, height, weight, or marital status. Further, in accordance with Act No. 220, Public Acts of 1976 as amended by Act No. 478, Public Acts of 1980 the contractor hereby agrees not to discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment, or a matter directly or indirectly related to employment, because of a disability that is unrelated to the individual's ability to perform the duties of a particular job or position. A breach of the above covenants shall be regarded as a material breach of this contract.
2. The contractor hereby agrees that any and all subcontracts to this contract, whereby a portion of the work set forth in this contract is to be performed, shall contain a covenant the same as hereinabove set forth in Section 1 of this Appendix.
3. The contractor will take affirmative action to insure that applicants for employment and employees are treated without regard to their race, color, religion, national origin, age, sex, height, weight, marital status or a disability that is unrelated to the individual's ability to perform the duties of a particular job or position. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.
4. The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, age, sex, height, weight, marital status or disability that is unrelated to the individual's ability to perform the duties of a particular job or position.
5. The contractor or his collective bargaining representative will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice advising the said labor union or workers' representative of the contractor's commitments under this appendix.
6. The contractor will comply with all relevant published rules, regulations, directives, and orders of the Michigan Civil Rights Commission which may be in effect prior to the taking of bids for any individual state project.
7. The contractor will furnish and file compliance reports within such time and upon such forms as provided by the Michigan Civil Rights Commission, said forms may also elicit information as to the practices, policies, program, and employment statistics of each subcontractor as well as the contractor himself, and said contractor will permit access to his books, records, and accounts by the Michigan Civil Rights Commission and/or its agent, for purposes of investigation to ascertain compliance with this contract and relevant with rules, regulations, and orders of the Michigan Civil Rights Commission.
8. In the event that the Civil Rights Commission finds, after a hearing held pursuant to its rules, that a contractor has not complied with the contractual obligations under this agreement, the Civil Rights Commission may, as part of its order based upon such findings, certify said findings to the Administrative Board of the State of Michigan, which Administrative Board may order the cancellation of the contract found to have been violated and/or declare the contractor ineligible for future contracts with the state and its political and civil subdivisions, departments, and officers, and including the governing boards of institutions of higher education, until the contractor complies with said order of the Civil Rights Commission. Notice of said declaration of future ineligibility may be given to any or all of the persons with whom the contractor is declared ineligible to contract as a contracting party in future contracts. In any case before the Civil Rights Commission in which cancellation of an existing contract is a possibility, the contracting agency shall be notified of such possible remedy and shall be given the option by the Civil Rights Commission to participate in such proceedings.
9. The contractor will include, or incorporate by reference, the provisions of the foregoing paragraphs (1) through (8) in every subcontract or purchase order unless exempted by the rules, regulations or orders of the Michigan Civil Rights Commission, and will provide in every subcontract or purchase order that said provisions will be binding upon each subcontractor or seller.

March, 1998

APPENDIX B

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees as following:

1. Compliance with Regulations: The contractor shall comply with the regulations relative to nondiscrimination in federally assisted programs of the Department of Transportation, Title 49, Code of Federal Regulations, Part 27, as they may be amended from time to time (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.
2. Nondiscrimination: The contractor, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, or natural origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.
3. Solicitations for Subcontracts, Including Procurements of Materials and Equipment: In all solicitations either by competitive bidding or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subcontractor or supplier shall be notified by the contractor of the contractor's obligations under this contract and the Regulations relative to nondiscrimination on the grounds of race, color, or national origin.
4. Information and Reports: The contractor shall provide all information and reports required by the Regulations, or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information and its facilities, as may be determined by the Michigan Department of Transportation or the Federal Highway Administration to be pertinent to ascertain compliance with such Regulations or directives. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information, the contractor shall so certify to the Michigan Department of Transportation, or the Federal Highway Administration as appropriate, and shall set forth what efforts it has made to obtain the information.
5. Sanctions for Noncompliance: In the event of the contractor's noncompliance with the nondiscrimination provisions of this contract, the Michigan Department of Transportation shall impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:
 - (a) Withholding of payments to the contractor under the contract until the contractor complies, and/or
 - (b) Cancellation, termination, or suspension of the contract, in whole or in part.
6. Incorporation of Provisions: The contractor shall include the provisions of paragraphs 1 through 6 of every subcontract, including procurements of materials and leases of equipment, unless exempt by the Regulations or directives issued pursuant thereto. The contractor shall take such action with respect to any subcontract or procurement as the Michigan Department of Transportation or the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for non-compliance; provided, however that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the contractor may request the Michigan Department of Transportation to enter into such litigation to protect the interests of the state, and, in addition, the contractor may request the United States to enter into such litigation to protect the interest of the United States.

APPENDIX C

TO BE INCLUDED IN ALL FINANCIAL ASSISTANCE AGREEMENTS WITH LOCAL AGENCIES

General Requirements for Recipients

Excerpts from USDOT Regulation 49 CFR, Part 23, Section 23.43

- A. Policy: It is the policy of the Department that MBE as defined in 49 CFR, Part 23, shall have the maximum opportunity to participate in the performance of contracts financed in whole or in part with federal funds. Consequently, the MBE requirements of 49 CFR, Part 23, apply to this contract.
- B. MBE Obligation: The recipient or its contractor agrees to ensure that MBE as defined in 49 CFR, Part 23, has the maximum opportunity to participate in the performance of contracts and subcontracts financed in whole or in part with federal funds provided under this agreement. In this regard, all recipients or contractors shall take all necessary and reasonable steps in accordance with 49 CFR, Part 23, to ensure that MBE has the maximum opportunity to compete for and perform contracts. Recipients and their contractors shall not discriminate on the basis of race, color, national origin, or sex in the award and performance of departmentally-assisted contracts.
- C. If, as a condition of assistance, the recipient has submitted and the department has approved a minority business enterprise affirmative action program which the recipient agrees to carry out, this program is incorporated into this financial assistance agreement by reference. This program shall be treated as a legal obligation and failure to carry out its terms shall be treated as a violation of this financial assistance agreement. Upon notification to this recipient of its failure to carry out the approved program, the Department shall impose such sanctions as noted in 49 CFR, Part 23, Subpart E, which sanctions may include termination of the agreement or other measures that may affect the ability of the recipient to obtain future departmental, financial assistance.
- D. The Department hereby advises each recipient, contractor, or subcontractor that failure to carry out the requirements set forth in Section 23.43(a) 49 CFR, Part 23, shall constitute a breach of contract, and after the notification of the USDOT, may result in termination of the agreement or contract by the Department or such remedy as the Department deems appropriate.

SUBCONTRACT NO. _____
CONTROL SECTION NO. _____
JOB NO. _____
FED. PROJECT NO. _____
FED. ITEM NO. _____

CERTIFICATION

I hereby certify that I am _____
and a duly authorized representative of the firm of _____,
whose address is _____ and that
neither I nor the above firm I here represent has:

(a) employed or retained for a commission, percentage, brokerage, contingent fee,
or other consideration, any firm or person (other than a bona fide employee working solely for
me or the above _____) to solicit or secure this contract.

(b) agreed, as an express or implied condition for obtaining this contract, to
employ or retain the services of any firm or person in connection with carrying out the contract,
or

(c) paid, or agreed to pay, to any firm, organization or person (other than a bona
fide employee working solely for me or the above _____) any fee,
contribution, donation, or consideration of any kind for, or in connection with, procuring or
carrying out the contract:

except as here expressly stated (if any):

I acknowledge that this certification is to be furnished to the Michigan
Department of Transportation in connection with this contract involving participation of state
and/or federal funds, and is subject to applicable state and federal laws, both criminal and civil.

Date

Signature

ATTACHMENT A
(This is a reproduction of Appendix A of 49 CFR Part 29)
CERTIFICATION REGARDING DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS -
PRIMARY COVERED TRANSACTIONS

Instructions for Certification

1. By signing and submitting this proposal, the prospective primary participant is providing the certification set out below.
2. The inability of a person to provide the certification required below will not necessarily result in denial of participation in this covered transaction. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective primary participant to furnish a certification or an explanation shall disqualify such person from participation in this transaction.
3. The certification in this clause is a material representation of fact upon which reliance was placed when the department or agency determined to enter into this transaction. If it is later determined that the prospective primary participant knowingly rendered an erroneous certification in addition to other remedies available to the federal government, the department or agency may terminate this transaction for cause of default.
4. The prospective primary participant shall provide immediate written notice to the department or agency to whom this proposal is submitted if at any time the prospective primary participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
5. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposed," and "voluntarily excluded" as used in this clause, have the meanings set out in the Definitions and Coverage sections of the rules impending Executive Order 12549. You may contact the department or agency to which this proposal is being submitted for assistance in obtaining a copy of those regulations.
6. The prospective primary participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.
7. The prospective primary participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion-Lower Tier Covered Transaction," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
8. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals.
9. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally processed by a prudent person in the ordinary course of business dealings.
10. Except for transactions authorized under paragraph 6 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the federal government, the department or agency may terminate this transaction for cause or default.

Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions

1. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
 - A. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any federal department or agency;
 - B. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state, or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification, or destruction of records, making false statements, or receiving stolen property;
 - C. Are not presently indicated for or otherwise criminally or civilly charged by a government entity (federal, state, or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
 - D. Have not within a three-year period preceding this application/proposal had one or more public transactions (federal, state, or local) terminated for cause or default.
2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

ATTACHMENT B
(This is a reproduction of Appendix B of 49 C.F.R. Part 29)
CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY
AND VOLUNTARY EXCLUSION-LOWER TIER COVERED TRANSACTIONS

Instructions for Certification

1. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.
2. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.
3. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
4. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations.
5. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.
6. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion-Lower Tier Covered Transaction," without notification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
7. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Nonprocurement List (Telephone No. (517) 335-2513 or (517) 335-2514).
8. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
9. Except for transactions authorized under paragraph 5 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion-Lower Tier Covered Transactions

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency.
2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.